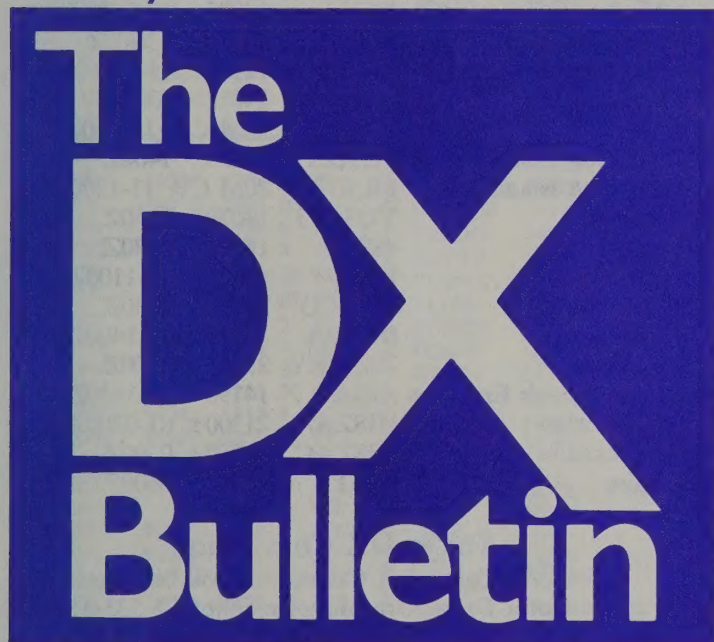


Market Reef - OJØ OJØ/KF7PO on SSB and

OJØ/N7BG on CW will be active from Market Reef (EU-53) July 26-August 2. Operators are Frank KF7PO, Tony N7BG, Mike KC7V, Lars OHØRJ, and Pekka OH1RY, with possible addition of Martti OH2BH and Vince K5VT. On SSB try 28495, 21295, 14195, 7095, and 3795. On CW try 28020, 21010, 14020, 7002, 3502. Possibly 17 and 160 meters, as well. They'll listen 5-10 kHz up, and prefer complete calls. QSL direct to 1990 *Callbook* of Frank Smith KF7PO, 5933 West Grovers, Glendale AZ 85308, or via the bureau. The group is receiving help from Finnair and Radio Finland.

Albania - ZA The disruption in Tirana may delay the planned operation by the Hungarian DXers. Latest word from F2YS/W2 is that Peter HA5WE would demonstrate amateur radio on July 19-20, with a two-week DXpedition beginning the next week. Stay tuned.

Edited by Chod Harris VP2ML



America's Premier Weekly Amateur Radio Publication

Islands On The Air

- **4K3MI** on Morzhevets Island (EU-119) is now active.
- **IK4NOQ/IAS** is on Elba Island (EU-28) to July 21.
- **UZØZWA/UAØX** on Karaginsky Island (AS-64) is very active.
- **FVØNDX/RE** will be on to July 29 from Ile de Re (EU-32), with Max F6AXP operating.
- **DK6AO/OZ** will operate from Kattogat Island (EU-88) to July 19.
- **YJ8MD** (ex-YJ8M) is shooting for Yasawa Island (OC-114) beginning July 15.
- **TE8Z** should be on July 30-August 1 on 15 meters only, from Herradura Island (no reference number).
- **4K4POL** is Alex on Kolyuchin Island (AS-65). QSL to UAØKCL.

Shortly Noted

- The **CIØGI** Grosse-Ile DXpedition, still set for July 26-31, has received permission to operate 24 hours a day. (Callsigns may be **VE2EBK/GI** on SSB, and **VE2EDK/GI** on CW.)
- **JA9IAX/JD1** on Minami Torishima (OC-73) looks for Europeans on 21330 kHz at 1330Z. QSL JJ1TBB.
- **T32BI** will be active from Eastern Kiribati to July 17 on SSB, operated by KH6DFW. QSL home call.
- **EJ1D** will be active in the IARU HF test July 14-15 from Dalkey Island. QSL EI6EW. (Thanks **DXNS**.)
- **CU/G3RFS** and **CU/G3KOX** will be active from the Azores (EU-03) to July 20. QSL home calls. (**DXNS**.)
- **ZD9CN** Franz is active with a beam and amp, but has a mountain between him and the US. QSL W4FRU.
- **ST4/WZ6C** is back in Sudan. Look for him on 17M.
- **VK9TR** has left Willis. No amateurs are among the replacement crew.
- **Thailand** is the destination of John Schroeder N6QQ to July 22. He'll operate from one of the club stations as time permits. QSL home call.
- **Oblasts: UZ9LWG/UJ8S** is now active from Oblast 041. QSL via the 1990 *Callbook* address of UW9LA. **RL7KAC** is on from Oblast 024. QSL Mike at P.O.Box 53, Leninsk-15, Kazakh SSR, 468320 USSR.
- **Italian Prefixes** will be active as follows: **IG1A** IARU HF test July 14-15 and again August 4-5; **IH1A** July-September; and **IE2A** July 22. QSL these to I1RBJ. Paul will also operate from **4U1ITU** during the World Radiosporting Team championship, July 20-21.
- **QSL information:** A list of Guantanamo Bay KG4 operators and QSL routes is available from The DX Bulletin for an SASE. QSL the current **VQ9RB** operation via WA4DPU.
- **SSB Net check-ins:** 14227 kHz: YJ8RN YJØAKY 3D2AG P29BT V73AZ 7Q7RM KHØAC; 14256: VP8CDK FO5LZ C53GB; 21335: 9V1YC NØBUV/KHØ 7Q7RM VQ9A.
- **RTTY report:** Andy **ZD9BV** has RTTY equipment and should be on the air soon after he moves into his new home, later this month. QSL W4FRU. **ST4/WZ6C** would get on RTTY, if he can borrow an appropriate TNC to go between his IBM-compatible computer and rig. Contact W4FRU if you can help. **VKØDS** at Mawson Base on Antarctica is new on AMTOR. Try 14077 kHz at 0840Z. Some active stations: **5NØELP** 14085 0015Z; **JY9SR** 14088 0300Z; **BY1BY** 14088 1350Z; **T5RM** 14076 ARQ 1500Z; **PYØFF** 21094 1740Z; **C31SD** 14089 1600Z; **EA9MY** 21082 2145Z; **VU2DPG** 21079 FEC 0115Z; **A41JW** 14080 0150Z; **HV3SJ** 14086 0400Z; **PZ1BS** 14082 1150Z; **ZS2A** 14076 ARQ 1330Z; **A41KB** ARQ 14073 1425Z; **CO2BB** 14085 2250Z; **SU1HN** 14088 0025Z; and **TJ1MW** 14083 0650Z.
- **Intentional QRM** hunters are banding together on 14235 kHz at 1500Z Tuesdays, to coordinate efforts to pinpoint the sources of intentional interference during DXpeditions. With enough help, they should be able to identify some of the worst offenders. Contact Bruce Eichmann KE2OP, Vice President of the South Jersey Radio Association for more information.

Propagation

Forecast and Historical Data

Day Forecast	27 Days Before	55 Days Before
July 1990	Date Flux A K	Date Flux A K
13 Above Normal	06/16 180 05/07 2	05/19 268 15/21 3
14 Above Normal	06/17 178 03/06 2	05/20 260 17/24 3
15 High Normal	06/18 162 10/12 2	05/21 249 21/22 4
16 High Normal	06/19 156 08/11 2	05/22 236 45/41 3
17 High Normal	06/20 154 02/08 2	05/23 228 14/16 2
18 High Normal	06/21 148 02/09 3	05/24 200 06/09 2
19 High Normal	06/22 138 04/09 2	05/25 183 21/22 3
20 High Normal	06/23 133 07/10 2	05/26 180 38/32 5
21 High Normal	06/24 137 07/09 2	05/27 157 35/42 2
22 High Normal	06/25 142 08/10 2	05/28 154 09/10 2
23 High Normal	06/26 148 09/10 2	05/29 138 08/13 2

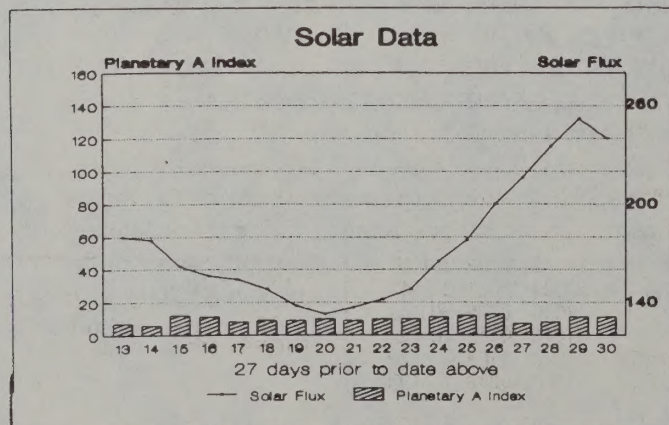
Propagation Watch

Solar flux dropped quickly from its peak of 252 on July 2, heading for an expected low of about 140 around July 13-14. The 27.5-day pattern of solar activity appears to be shifting slightly, as both the latest peak and trough came earlier than predicted. However, this does not seem to be a breakdown in the overall pattern of one active and one inactive hemisphere of the sun. Instead, the center of the active side has moved slightly. This shift puts our predictions (above) and graph (below) out of synchronization with the sun. Once the shift in solar activity has stabilized, our predictions should be more accurate. Meanwhile, look for solar activity to rise and fall in less than 27.5 days.

The good news for DXers has been the very stable geomagnetic field. The planetary A index has been below 15 for a month, and often in single figures. This has given DXers some seasonally excellent long-path openings. 20 and 17 meters (and probably 30 meters, if there were any stations on the band) have yielded some choice long-path contacts, especially the early morning opening to the west.

The low bands continue to be seasonally poor, thanks to the high noise levels and short nights in the northern hemisphere. And the maximum useable frequency (MUF) continues to be seasonally low, seldom going above 22 MHz, except on north-south paths. 15 meters usually opens early in the morning, to the northeast, and stays open for a short time after local sunset. 17 meters has been a very productive band, showing characteristics of both 15 and 20 meters.

The 6-meter sporadic E season has been poor, with only a handful of transcontinental or transoceanic openings. The single-hop E-skip is available most days, but seldom combine to provide long-haul DX. Listen to 10 meters for indications of openings on 6. Shortening skip on 10 suggests an opening on 6 in that direction.



Regulars

■ Ascension Island	ZD8LII	28009	1700Z
■ Azerbaijan	RD7ØDC	18074	0320Z
■ Bahrain	A92BE	18145 ±	01-0400Z
■ Brunei	V85HG	14240	1000Z
■ Chagos	VQ9QM	18072	1500Z
■ Chagos	VQ9RB	21300 ±	17-1800Z
■ Crete	SV9BAI	21025	21-2400Z
■ Easter Island	CEØZIG	21007	0100Z
■ Eastern Malaysia	9M8MG	14205	1300Z
■ Eastern Malaysia	9M8PV	14165	1200Z
■ Guyana	8R1J	14014	1030Z
■ India	VU2BU	21042	1330Z
■ India	VU2GI	21345	2330-0230Z
■ Japan	8J9ØXPO	14020	09-1200Z
■ Kazakhstan	UL7BX	15M CW	01-0300Z
■ Malawi	7Q7RM	14040	12-1400Z
■ Malaysia	9M2AX	14025	13-1400Z
■ Marshall Islands	V73AZ	20M SSB	11-1300Z
■ Mauritius	3B8CF	18077	0330Z
■ Mauritius	3B8FK	14020	12-1300Z
■ Micronesia	V63JA	14025	10-1400Z
■ Mongolia	JT1BS	20M CW	1400Z
■ Ogasawara	KA2IJ	14165	11-1300Z
■ Ogasawara	JD1AMA	14012	1300Z
■ Papua New Guinea	P29PL	20M CW	10-1300Z
■ Reunion Island	FR5DX	14195	1400Z
■ Reunion Island	FR5DD	20M CW	11-1200Z
■ Romania	YO3APJ	18070	2130Z
■ Sri Lanka	4S7CF	14004	0030Z
■ Suriname	PZ1DY	14025	09-1100Z
■ Tadzhikistan	UJ8JCQ	21010	0130Z
■ Taiwan	BV2DA	14025	13-1400Z
■ Tokelau	ZK3EKY	21005	1300Z
■ United Arab Emirates	A61AD	14190	12-1400Z
■ Uzbekistan	UI8ZAA	21300 ±	01-0300Z
■ Uzbekistan	UI8ZAC	21280 ±	0200Z
■ Zaire	9Q5TE	14200	0500Z

Tokyo DX Convention

The 1990 Tokyo DX Convention will be August 25-26, at the Hotel Tokyo Urashima (telephone 3-533-3111). Among the speakers are LA1EE, LA2GV, and JF1IST on the 3Y5X Bouvet operation, DJ9ZB on the PA3CXC/STØ DXpedition, and Jim Smith VK9NS on his A51JS trip. For more information, contact Yuji (Jim) Kosaka at his office phone: 3-239-3833, or send a fax to his attention at 3-239-3836.

DXCC Fees

The June 29 issue of *The ARRL Letter* reports that the DX Century Club will institute a new fee schedule on October 1, 1990. After October 1, first-time applicants will be charged \$10 in addition to the usual costs of returning cards. DXCC members as of October 1 are exempt from this registration fee. Also, ARRL and CRRL members will get one free DXCC submission each calendar year, toward any number of DXCC awards. Additional submissions will cost \$10. Non-League members outside the US or Canada will be charged \$10 for their first, and \$20 for any additional submissions in a given year. As at present, US and Canadian DXers must be members of the ARRL or CRRL to apply for DXCC.

B . A . N . D . P . A . S . S

Key to Bandpass: Callsign, frequency, UTC, day of the month, state. * = long path. P = packet.

All "portable" calls listed with country of operation first, regardless of format used on the air.

RTTY				UJ8S/	14040	0102	25	VA	HK0BKX	18071	1420	30	CA	UL7GE	21010	2320	1	IA	
5N0ELT 14086 2330 2 CA				UZ9LWG	14032	0414	28	UT	HZ1HZ	18069	2155	27	WI	UL7OB	21023	0330	24	ME	
9M6HF 14088 1555 6 CA				UL7JGO	14032	1426	2	MT	LX2LH	18080	2115	27	SC	V47NXX	21006	2320	27	PA	
FY4FR 14088 0415 5 CA				V63JA	14026	1006	1	OH	OY7ML	18077	1236	1	CO	VU2BK	21042	1334	1	CO	
FY4FR 14087 2135 2 CA				V73AZ	14032	1133	2	WI	RD70DC	18074	0328	5	MA	VU2SU	21015	0043	29	PA	
HI8BG 14085 1202 16 FL				V85DA	14012	1418	1	CA	TK0KC	18070	0300	30	SC	VU2ZAP	21002	0144	26	FL	
J39BS 14090 0050 7 CA				VU2TTC *	14013	1307	30	MT	UA2EL	18071	1811	1	MA	YL20LSF	21027	1354	30	CO	
JY9SR 21087 0140 30 CA				Y90SOP	14030	0310	1	SC	UA4UX	18069	2209	4	CT	ZD8LII	21009	2050	25	FL	
LX1OM 14088 0110 19 FL				YK1AO	14009	0343	2	WI	UA6UX	18068	2200	28	SC	ZK3EKY	21004	1245	2	IA	
OZ7GI 14087 0438 28 FL				YN3CC	14010	0518	25	NH	UA9XDU	18086	0340	30	SC	15 Meter SSB					
PZ1BS 14088 2140 2 CA				Z21CA	14032	0601	23	CA	UD6DKW	18083	0340	27	WI	5B4MF	21302	0030	2	OH	
RF1F/ 14092 0051 1 MA				ZK3EXY	14005	0910	28	FL	UF6VAI	18087	0533	1	MO	5U7NU	21264	0010	1	IA	
UA3TT 21086 0226 21 FL				20 Meter SSB					UI8QU	18071	1820	2	SC	9K2CS	21226	2240	1	IA	
SV2WT 14085 0435 27 FL				3A2LU	14160	0014	28	FL	UJ8J/	18075	2218	1	SC	9K2DB	21247	2140	30	IA	
TA3D 21090 0018 21 FL				3B8FU *	14201	1301	29	MT	U92DWG	18071	1247	1	CO	9K2IC	21235	2335	1	IA	
UZ3CWA 21087 1610 30 CA				3D2RP	14197	1114	30	MO	UL7GM	18070	0050	4	MA	9M2SH	21340	1625	29	NH	
YL11HF 14088 0006 6 CA				4U1UN	14215	0409	22	FL	V47NXX	18072	0019	28	VA	9M8MG	21205	0111	1	WI	
YL1WW 14096 0154 29 FL				5H3TW	14180	1420	23	CA	V85DA	18084	1540	1	CO	9Q5TE	21317	1530	1	FL	
40 Meters				7Q7RM	14218	1253	26	NH	VQ9QM	18070	1458	2	CA	9V1YC	21335	1745	27	WI	
TG9YV 7027 2353 5 MA				8J90XPO	14211	1420	29	NY	YO3APJ	18070	2135	28	SC	A41KY	21305	2007	24	WI	
30 Meters				9K2CS	14252	1858	4	MA	YO3JW	18070	0010	30	WV	A45ZP	21349	1935	4	MA	
3B8CF 10104 0312 30 SC				9K2YA	14242	2236	28	CO	YO9HP	18075	0124	29	CO	A61AD	21244	2124	4	CT	
GB0RNS 10120 0547 6 MA				9M8MG	14205	1258	2	WI	YS/N5TP	18075	1250	5	CT	BE4WNG	21239	0053	22	FL	
HZ1AB 10102 0247 5 CT				9M8PV	14165	1155	25	FL	17 Meter SSB					CE0ZCD	21260	0215	1	NH	
V47NXX 10101 0157 28 VA				9Q5TE	14197	0510	6	MA	9K2KS	18143	2144	4	CO	D2/	21212	1215	2	CT	
20 Meter CW				9V1UD	14202	1413	2	CA	A92BE	18142	0051	3	MA	ON7LE (no documentation)					
3B8FE * 14036 1224 5 AL				9V1XQ	14187	1055	5	AL	AH3C	18150	0315	4	CT	FR5ZO	21281	0412	1	WI	
3B8FK 14016 1301 30 MT				A22AA *	14186	1317	30	MO	GC0EJE	18145	0054	3	MA	OD5FC	21245	0800	2	FL	
3B9FR * 14033 1150 5 AL				A61AD	14190	1222	3	WI	HC8GR	18121	0013	29	CO	S92LB	21219	2025	28	WI	
4K4QQ 14027 1221 4 AL				AH9AC	14220	0736	1	CA	HK0BKX	18110	1228	4	MA	SU1NU	21264	0035	1	OH	
4S7CF 14004 0033 29 NH				BZ4COP	14173	1409	30	MT	PZ1DV	18120	320	29	SC	T77C	21330	0224	30	VA	
4S7CF 14015 1502 27 OR				CE0DFL	14205	0904	29	FL	TZ6VV	18117	0811	4	CO	TL8WD	21335	1540	1	FL	
4S7WP * 14022 1046 5 AL				D68WB	14155	0337	25	WI	Y25WJ	18146	0522	4	CO	UI8GBK	21272	1358	2	ME	
5H3TW 14022 1256 1 CA				DU9RG	14186	1125	1	FL	ZB2CF	18140	2323	29	MA	UI8GTB	21246	0240	29	FL	
5N0SKO 14022 0741 30 CA				EL1AA	14255	1950	5	MA	15 Meter CW					UI8ZAA	21270	0113	21	CA	
7Q7RM 14040 1215 30 CA				FO0IGS	14215	0902	27	MT	3B8CF	21035	0351	6	MA	UI8ZAC	21283	0206	30	VA	
7Q7RM * 14042 1313 4 AL				FO5JV	14199	0857	29	FL	4K3MI	21004	2056	1	PA	UJ8JDT	21267	0125	4	CT	
8J90XPO 14027 0855 28 FL				FR5DX	14193	1406	2	CA	4K3PWB	21020	2026	2	MT	UL7CC	21228	0159	30	VA	
8R1J 14013 1035 1 IN				H44AP	14193	1054	30	VA	4K4QQ	21034	0046	28	PA	UL7FEC	21324	0030	1	IA	
9J2BO 14037 1315 30 MT				H44MB	14182	1050	1	FL	4S7CF	21033	2344	26	PA	VQ9RB	21280	1801	1	MI	
9M2AX 14025 1305 3 MT				JD1/	14165	1055	29	FL	4S7EA	21005	0148	29	NH	VS6CT	21295	1632	5	MA	
9V1JY 14015 1437 1 MT				JA7FTJ					4S7NE	21002	0044	1	FL	VU2GI	21345	2330	1	IA	
BV2DA 14026 1252 27 UT				KA2IJ	14165	1051	30	VA	5H3TW	21020	2205	5	MA	VU2TTC	21307	2044	2	WI	
BV2TA 14003 1341 30 MN				KH0/	14240	1104	2	TX	5H3TW *	21022	1233	4	MI	XX9KA	21266	0003	5	CT	
FK8FG 14032 0730 30 UT				N6BUV					6W6JX	21032	1804	30	NH	ZK1CA	21339	639	28	NH	
FO5DF * 14014 0813 2 MA				KH3/	14262	0820	29	FL	9Q5XX	21030	2121	29	NH	ZK3EKY	21225	1303	1	FL	
FR5DD * 14020 1056 2 NJ				W6MMX					9V1JY	21023	1506	2	MN	12 Meters					
FR5FG 14003 1115 26 NH				KX6/	14217	1225	27	MT	A41JV	21023	0043	29	IN	5B4OG	24891	1201	1	WV	
FT5XA * 14010 1131 4 MI				AH6IO					CE0FFD	21010	0154	1	CO	A92BE	24933	2245	1	CT	
FY4FR 14091 0308 22 FL				P29BT	14165	1055	1	FL	CE0ZIG	21005	0106	29	IN	HK0BKX	24899	1500	4	CT	
HK0BKX 14020 1214 1 CA				PZ1BK	14165	1015	28	FL	EA8AB	21010	2049	1	SC	PZ1DV	24898	1755	1	SC	
HK0BKX 14021 2303 25 NH				SV9AKI	14175	0507	6	MA	GX4MCC	21012	2110	30	SC	RO4OA	24893	1221	1	WV	
HS0D 14025 1044 28 NJ				TR8CA	14236	0417	23	CA	HB0/	21025	0956	2	FL	10 Meter CW					
HZ1AB 14005 1323 1 CO				UA0FF	14198	1105	26	NY	G4GIR						C56/	28024	1315	6	MA
JD1/ 14033 1435 28 CA				UG6GAT *	14260	1332	29	MT	HZ1AB	21006	1552	1	FL	ON7EH					
JH0URO				V73AX	14227	1400	6	ME	IE0CM	21030	0041	2	FL	EA6ZZ	28005	1152	1	NJ	
JD1AMA 14012 1250 1 NH				V73AZ	14238	1102	2	TX	JD1/	21005	1956	1	NJ	ZD8LII	28007	1714	30	IN	
JT1AA 14009 1241 27 MT				V85HG	14240	0939	26	NY	JA9IAX						10 Meter SSB				
JT1CS 14029 1353 1 CA				VP2MC	14168	2140	29	MA	OX3XR	21026	1741	30	ID	5N9ABY	28376	2342	30	NH	
KH2/ 14013 1111 3 AL				VU2DZ	14179	1022	28	FL	RI1OA	21026	0330	29	OH	9Y4TD	28425	2254	5	MA	
KL7NA				YI2LVB	14226	2323	30	NH	SV9BAI	21024	2120	4	SC	FK8GA	28413	2415	22	FL	
OX3TW 14036 0008 6 MA				ZS6KD *	14182	1320	30	MT	T77C	21020	2224	25	CA	FO9KW	28471	0028	22	FL	
P29PL 14007 1008 1 NJ				ZS8MI	14256	1457	5	CA	TF3CW	21027	2036	29	CO	FT5XH	28440	1140	1	FL	
P29PL 14020 2004 20 MI				ZS9S	14175	1753	30	NH	TK5EL	21013	1240	5	MA	JA4DND *	28493	1210	4	MI	
PZ1DY 14020 0845 28 FL				17 Meter CW					UF6VBL	21038	0240	30	MA	VK9ND	28475	0031	22	FL	
T20AA 14031 1226 4 AL				3B8CF	18077	0330	27	WI	UH8EAX	21026	1920	29	CT	YB8RB	28495	0045	22	FL	
TR8TR 14025 2350 28 NH				4K4QQ	18078	1646	4	MA	UI8IF	21026	0515	1	UT	ZS9A	28610	1558	17	MA	
UA0KCL 14016 0851 28 FL				4S7WP	18077	2202	4	MA	UI9ACQ	21020	0132	30	PA	6 Meters					
UA0X/ 14027 1845 25 UT				6W1QB	18074	2345	29	WI	UJ5K	21040	0218	4	CT	CT1LN	50110	2159	25	MA	
UZ0ZWA				8J90XPO	18075	2044	30	SC	UJ5K	21034	2031	2	MT	SV1OE	50111	1340	26	MA	
UJ8JX 14020 0200 28 WI				AH3C	18072	2235	26	WI	UJ8JCQ	21010	0125	30	SC	XE1GRR	50110	0139	27	VA	
				FM5WD	18078	2230	26	WI	UL7BX	21012	0118	26	FL						
				HK0/	18072	1435	1	MA	UL7FCG	21020	0104	3	OH						
				KB6IVM						UL7FEC	21260	0212	1	CO					

FIRST CLASS MAIL

Calendar

Issue 546 - July 13, 1990

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(Changes and hot info in boldface.)

Albania - ZA by HA5WE etc. soon? 1544
Ascension - ZD8 ZD8LII ZD8LII 28009 1700Z 1546
Asiatic RSFSR 4K4QQ 14025 kHz 1400Z 1544
Azerbaijan - UD RD7ØDC 18074 0320Z 1546
Bahrain - A9 A92BE 18145± 01-0400Z 1546
Botswana - A2 A22AA 14200± 1430Z 1543
British Virgin Islands VP2V by Laines July 10-13 1544
Brunei - V8 V85HG 14240 1000Z 1546
Cameroon - TJ TJ1BG July 1544
Cayman Island - ZF ZF2AH, JT July 1-14 1537
Chagos - VQ9 VQ9QM 18072 1500Z 1546
VQ9RB 21300± 1700Z 1546
Corsica - TK TK/PA3EBT/p June 23-July 16 1542
Crete - SV9 SV9BAI 21025 21-2400Z 1546
Dodecanese - SV SV5TS 21320± 1930Z 1544
Easter Island - CEØ CEØZIG 21007 0100Z 1564
Eastern Malaysia - 9M 9M8MG 14205/13Z 9M8PV 14165/12Z 1544
Estonia - ES ES1QD 14220± 0400Z 1544
European RSFSR 4K3ODX 14010 0400Z 1544
Fiji - 3D 3D2AG 14022 1030Z 1541
3D2DD/SM July 16-21 1544
Grosse-Ile - VE2 CIØGI July 26-31 New One? 1544
Guadeloupe - FG FG5ED 10101 0300Z 1544
Guyana - 8R 8R1J 14014 1030Z 1546
Hong Kong - VS VS6WV 14010 1330Z 1544
Iceland - TF DLs/TF July 27-Aug. 24 1545
TF3CW 21030 2230Z 1544
India - VU VU2BU 21042/13Z VU2GI 21345/23Z 1544
Jan Mayen - JX JX7DFA 20M CW 2230Z 1544
Jordan - JY JY9SR 21010 2000Z 1544
Juan de Nova - FR/J FR5ZU/J July 5-16 14280 kHz 1544
Kazakhstan - UL UL7BX 15M CW 01-0300Z 1546
Kenya - 5Z 5Z4BP 21320± 1930Z 1544
Kerguelen - FT/X FT5XH 28440 08-1200Z 1545
FT4XG 14162 1130Z 1544
Malawi - 7Q 7Q7RM 14040 12-1400Z 1546
Malaysia - 9M 9M2AX 14025 13-1400Z 1546
Marion Island - ZS8 ZS8MI 20M SSB 12-1400Z Sun. 1543
28500± 1120-1400Z 1543
14256 1130Z Sundays 1542
Market Reef - OHØM July 26-Aug. 2 1546
Marshall Island - V7 V73AZ 14190± 1100Z 1546
Mauritania - 5T 5T5SR 21300± 2000Z 1543
Mauritius - 3B 3B8CF 18077/0315Z 3B8FK 14020/12Z 1544
Micronesia - V6 V63JA 14025 10-1400Z 1546

Minami Torishima JA9IAX/JD1 back 1544
Mongolia - JT JT1BS 20M CW 1400Z 1546
Morocco - CN CN2AQ 15M SSB 0400Z 1544
Nauru - C2 C21DX 14200+/- 1130Z 1541
Ogasawara - JD KA2IJ 14165 10-1200Z 1546
JD1AMA 14012 1300Z 1546
Palau - KC6 by JAs Sept. 12-16 1545
Palmyra - KH5 AA6LF/KH5 July 22-29 1545
Papua New Guinea - P2 P29PL 20M CW 10-1300Z 1546
Paraguay - ZP ZP6XDW 21026 0000Z 1543
Penguin Is. - ZS1 DK9KX, DL8CM July 14-20 1544
Reunion Island - FR FR5DD 20M CW 1100Z 1546
FR5DX 14195/1400Z 1546
St. Helena - ZD7 ZD7VC 28470 11-1400Z 1544
St. Pierre - FP FP5DX 14200± 0330Z 1544
by W5WMU July 18-24 1541
San Andreas - HKØ HKØBKX 14023 12, 00Z 1545
Saudi Arabia - HZ HZ1AB 14002 1330Z 1543
Singapore - 9V 9V1JY 14010 1400Z 1544
South Sandwich - VP8 Nov. 20-Dec. 13 VP8SSI 1545
14004 0030Z 1546
Sri Lanka - 4S PZ1DY 14025 09-1100Z 1546
Suriname - PZ UJ8JCQ 21010 0130Z 1546
Tadzhikistan - UJ BV2DA 14025 13-1400Z 1546
Taiwan - BV HSØAC 21025/01Z 14020/10Z 1545
Thailand - HS ZK3EKY 21005 1300Z 1546
Tokelau - ZK3 A61AD 14190 kHz at 1400Z 1546
United Arab Emirates UI8ZAA 21300± 01-0300Z 1546
Uzbekistan - UI UI8ZAC 21280± 0200Z 1546
Walvis Bay - ZS9 ZS9A 28610 1430-1600Z Sun. 1545
Zaire - 9Q 9Q5TE 14200 0500Z 1546

Contributors

This Issue of The DX Bulletin would not have been possible without the invaluable assistance of the following: KH6BZF, SESC, ARRL Letter, DXNS, F2YS, I1RBJ, JH1ROJ, K1NIT, K4II, K4IQJ, K6QXY, K6ZH, K7ABV, K7UOT, K8OQL, K8RC, KA1XN, KA3UVU, KB4VHW, KC9AL, KE2OP, KE4O, KF7PO, KJ4BK, KJ9I, KK6H, KN7K, KR1S, KT7H, KV4AM, KY0A, LNDX, N1HN, N4DHY, N4MM, N5FTR, N6JQL, N6NKN, N6QQ, NM8R, NX7U, NZ9R, VE2EDK, VQ9RB, W0JRN, W1BFT, W1CNU, W1CYB, W2GD, W4FRU, W6JOX, W8MEP, W9DH, WA1AYS, WA2MZX, WA2VKS, WB5MTV, WB8YJF, WB8ZRL, WC6I, WDØCHW, WJ7R, WY2V, and NCDXC. Thanks!

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